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KW950-CR

*World Leaders in
Interfacing
and
Retransmission*



COURSE RECORDER & HEADING DISPLAY

INTRODUCTION

The KW950 Course Recorder with printer can be used as a direct replacement for the old electro-mechanical course recorders.

The unit is compatible with most proprietary gyro signals and standard GPS equipment.

Heading data is shown on the display. The KW950-CR is programmed to output a single line of data at selective intervals. As well as paper copies, the data can be sent to a PC for data archiving etc.

The KW950-CR is not just a course recorder! The unit allows the instrument to be used for as a Heading Repeater.

The data is output to a dot matrix printer with a serial port. The gyro heading, GPS position, course and speed over ground and time UTC are printed in plain English.

Optional printer KW991-PRN printer can be supplied by AMI. Alignment, illumination and control are via a tactile three-button keypad

The KW950-E has a 4 digit digital display with a 4 bar ROT trend indication.

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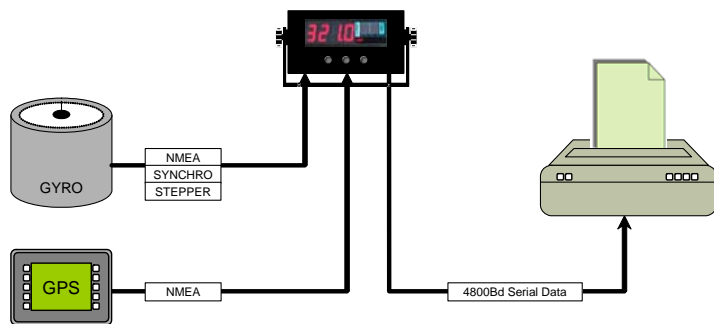
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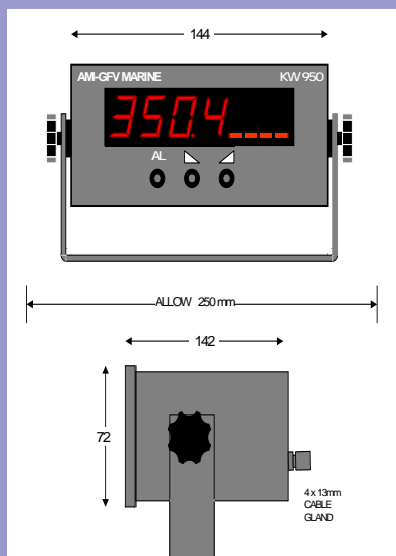
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SPECIFICATION

INPUT 1: DC and rectified unsmoothed DC stepper, 4 to 90v. 360:1 Synchro up to 115v/90v. 50/60 400/500 Hz. 90X 400 Hz contactless transmitter. Tracking rate = Frequency / 3deg/sec. (DC step 333 deg/sec) NMEA 0183 input, so both input channels are NMEA. Input 1 must be \$HEHDT,x.x,T

INPUT 2: NMEA 0183, GPS data or GPS and heading data. These sentences provide the data required. \$GPRMC or \$GPGGA + \$GPVTG + \$GPZDA.

OUTPUT 1: 4800 baud. 8 bits. No parity. 1 stop bit. RS422 and RS232 compatible.

Example:
time, position, heading, speed and course over ground, date.
12:30:00, 51 30.521N 003 23.456 W, 009 deg, 12.0 sog, 012 cog, 21:11:06

DISPLAY: 4 digit red LED 0.6 inch, 15mm high for heading. Adjustable illumination using buttons.

CONTROL: 3 push button switches for align, increase and decrease.

POWER: 10 to 32 volts DC at 5 watts.

CONNECTORS: Via cable glands to removable terminal blocks.

HOUSING: DIN case 144 wide, 72 high, 142 mm deep. Flame retardant to DIN 43700. Supplied with a trunnion. Or optional screw clamps for panel mounting.

KW991-PRN (PRINTER): 80 columns, 4800 baud Serial Port, for fanfold or paper roll. Supplied as 220/240 VAC only. Set printer for International English font, and Auto-LF. Supplied as an optional extra.

The unit is not suitable for mounting outside without special environmental precautions.

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